

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/054122 A1

- (51) International Patent Classification⁷: **B82B 3/00**
- (21) International Application Number:
PCT/KR2004/002914
- (22) International Filing Date:
11 November 2004 (11.11.2004)
- (25) Filing Language: Korean
- (26) Publication Language: English
- (30) Priority Data:
10-2003-0088303 5 December 2003 (05.12.2003) KR
10-2004-0090832 9 November 2004 (09.11.2004) KR
- (71) Applicant (for all designated States except US):
Bio-Synectics Inc. [KR/KR]; 311, Sogang Business
Incubator, 1-1 Sinsu-dong, Mapo-gu, Seoul 121-854 (KR).
- (71) Applicant and
(72) Inventor: KIM, Kab-Sig [KR/KR]; 311, Sogang Business
Incubator, 1-1 Sinsu-dong, Mapo-gu, Seoul 121-854 (KR).
- (74) Agent: WONJON PATENT FIRM; 8th Floor, Poonglim
Bldg., 823-1, Yeoksam-dong, Kangnam-gu, Seoul,
135-784 (KR).
- (81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR PREPARING NANO-SCALE OR AMORPHOUS PARTICLE USING SOLID FAT AS A SOLVENT

(57) Abstract: The present invention relates to a method for preparing nanoscale or amorphous particles using solid fat as a solvent. According to the present invention, nanoscale or amorphous particles of active ingredients are prepared by using fat as a solvent, wherein the fat is in solid phase at room temperature. The nanoscale or amorphous particles of active ingredients can be advantageously used in medicine, cosmetics, functional foods or the like.

WO 2005/054122 A1